

POSITIONING AN ITEM IN THREE DIMENSIONS VIA A GRAPHICAL REPRESENTATION

ABSTRACT

- 5 A graphical representation representing at least a portion of an observable
three-dimensional space is presented. A user can select a location on the graphical
representation to direct a moveable item to a three-dimensional location within the
space corresponding to the location selected by the user. Calibration operations can
be performed, and error correction information can be generated to avoid
10 mechanical error. Manipulation devices using non-orthogonal coordinate systems
can be supported. Multiple items can be positioned on a specimen viewed under a
microscope, and an item such as an electrode can be positioned within a living
biological specimen